

OVE Austrian Electrotechnical Association
Eschenbachgasse 9 | 1010 Wien | Austria
ZVR: 327279890 | www.ove.at



OVE Testing and Certification
Kahlenberger Str. 2A | 1190 Wien | Austria
T +43 1 370 58 06 | puz@ove.at

ENEC Certification Body registered under ID # 11.

Validity of ENEC Licences can be checked at www.enec.com

LICENCE

to use the European Mark



Licence No.: **80585-020**

Date of issue: Wien, 2019 06 26

OVE the Austrian Electrotechnical Association as signatory to the **"Agreement on the use of a commonly agreed Mark of Conformity for certain electrical equipment complying with European Standards"** hereby grants the right to label the products mentioned hereunder and listed in the Annex with the Mark(s) shown above to the following company

Licenceholder: **ZG Lighting France**
Route de Paix
27700 Les Andelys
France

Product: **Luminaire for road and street lighting**

Trade Mark: **THORN**

Series/Type: **DYANA LED CL1**

Basis for this given right is the conformity of the products with the requirements of the relevant Standard(s) as listed in the Annex and the fulfilment of articles 8 and 9 of the ENEC-Agreement by the manufacturer. This licence refers to the tested specimen and to all products manufactured strictly identical to the submitted one.

This licence has been issued under the presumption and conditional on the fact that the licensee holds all necessary legal rights with regard to the product presented for testing and certification.

Österreichischer Verband für Elektrotechnik
Head of Testing and Certification

Digitally signed by W. Martin
Email=w.martin@ove.at

Dipl.-Ing. W. Martin



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<i>Hersteller Manufacturer</i>	Thorn Lighting Ltd Durhamgate, Spennymoor, County Durham DL16 6HL United Kingdom
<i>Fertigungsstätte(n) Factory location(s)</i>	Europhane SAS Route de Paix 27700 Les Andelys France
<i>Typenbezeichnung Type reference</i>	DYANA LED 12L...CL1... DYANA LED 24L...CL1... DYANA LED 36L...CL1... DYANA LED 48L...CL1... DYANA LED 60L...CL1..., see type code on page 5.
<i>Prüfbericht Test Report</i>	TR 80585-0015-01 ECS
<i>Nationale Bestimmung(en) National Standard(s)</i>	OVE EN 60598-1:2018-11-01 ÖVE/ÖNORM EN 60598-2-3:2012-01-01
<i>Europannorm(en) European Standard(s)</i>	EN 60598-1:2015 + A1:2018 EN 60598-2-3:2003 + A1:2011
<i>Ersatz für Zertifikat Superseded licence</i>	--
<i>Anmerkung(en) Remark(s)</i>	CTF Stage 3.

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<i>Nennspannung</i> <i>Rated voltage</i>	220-240 V, 50-60 Hz
<i>Anzahl und Leistung der Lampen</i> <i>Rated wattage and number of lamps</i>	DYANA LED 12L: 1x LED module with 12 LEDs DYANA LED 24L: 2x LED module with 12 LEDs DYANA LED 36L: 1x LED module with 36 LEDs DYANA LED 48L: 4x LED module with 12 LEDs DYANA LED 60L: 1x LED module with 36 LEDs + 2x LED module with 12 LEDs
<i>Lampentyp(en)</i> <i>Lamp identification</i>	LED modules LEM R12 (12 LEDs) or LEM R36 (36 LEDs).
<i>Schutzgrad</i> <i>Degree of protection</i>	IP66
<i>Netzanschluss</i> <i>Supply connection</i>	Screw terminals
<i>Befestigungsfläche</i> <i>Supporting surface</i>	Normally flammable surface
<i>Schutzklasse</i> <i>Class of protection</i>	CI.I
<i>Beschreibung des Aufbaus</i> <i>Description of construction</i>	LED luminaires with several light distributions and electronic control gears. Body, canopy and spigot made of die-cast aluminium with textured dark grey finish. Enclosure: 5mm thick, toughened glass (fracture in small pieces). Mounting: Ø60mm side entry with 0° tilt. Adjustable to -5° tilt or post-top with 5° or 10° tilt. Enclosure: Flat glass (fracture in small pieces)
<i>Zusatzinformation</i> <i>Additional information</i>	Classified as risk group 2 (moderate risk) according to EN 62471:2008. The luminaire should be positioned so that prolonged staring into the luminaire at a distance closer than 2 m is not expected.

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<i>Bauteil Component</i>	<i>Code Code</i>	<i>Hersteller Manufacturer</i>	<i>Typenbezeichnung Type Reference</i>	<i>Konformitätszeichen Mark(s) of conformity</i>
<i>LED control gear</i>	B	Tridonic	LCA 30W	ENEC 11
	B	Tridonic	LCA 60W	ENEC 11
	B	Tridonic	LCA 75W	ENEC 11
	B	Tridonic	LCA 120W	ENEC 11
	B	Tridonic	LCA 160W	ENEC 11
<i>LED Module</i>	A*	THORN	LEM R12 max. 1050mA, RG2, tc=105°C	ÖVE
	A*	THORN	LEM R36 max. 1050mA, RG2, tc=105°C	ÖVE
<i>Power switch</i>	A	OMT	0127 250V, 16A, T120	IMQ
	A	OMT	0125 250V, 10A, T120	IMQ
<i>Internal wiring</i>	A	BLF	SIL 100 300V; 0,75mm²; 180°C	VDE
	B	Omerin	RECSC 300V, 180°C	VDE
<i>Terminals</i>	A	Electro Terminal	SLK/3 450V, 24A, T110	ENEC 10
<i>Gland</i>	A	Bimed	BM22-L PA 6, IP68	VDE
<i>External wiring</i>	A	Nexans	H07RN-F 1,5mm²	HAR

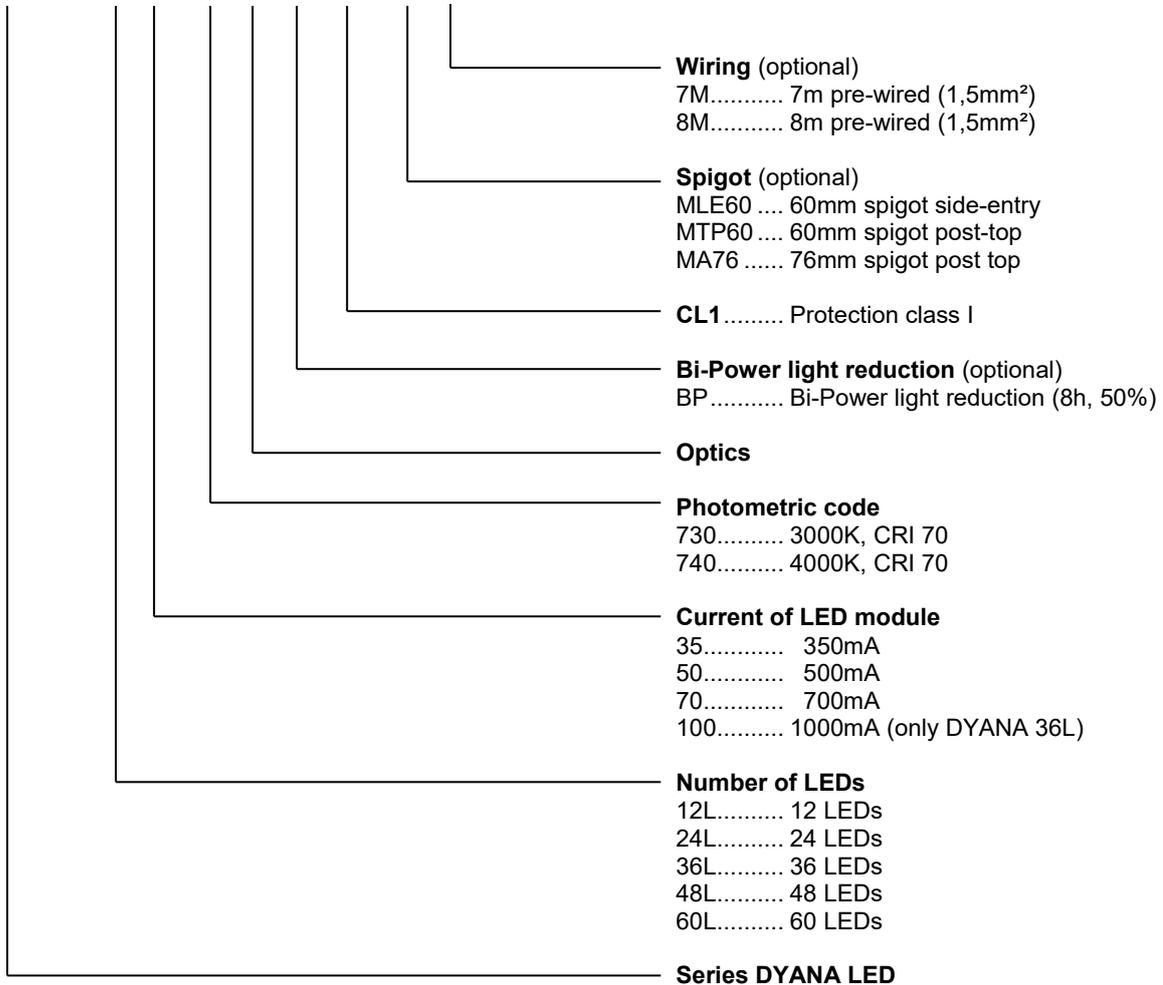
A The component is replaceable with another one, also certified, with equivalent characteristics.
A* The component is replaceable with another one according to ETF5-OSM-LUM/DSH 2057
B The component is replaceable if authorised by the test house.
C Integrated component tested together with the appliance.
D Alternative component.

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Typecode:

DYANA LED ..L... -... **CL1**



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